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International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : A01N 1/02, C07K 14/705, A61K 47/48		A1	(11) International Publication Number: WO 00/53007								
			(43) International Publication Date: 14 September 2000 (14.09.00)								
(21) International Application Number: PCT/GB00/00834 (22) International Filing Date: 8 March 2000 (08.03.00) (30) Priority Data: 9905503.0 10 March 1999 (10.03.99) GB (71) Applicant (for all designated States except US): ADPROTECH LIMITED [GB/GB]; Second floor, Units 7 & 8, The Maltings, Green Drift, Royston, Herts. SG8 5DY (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): SMITH, Richard, Anthony, Godwin [GB/GB]; Norfolk House, Haverhill Road, Horseheath, Cambridge CB1 6QR (GB). PRATT, Julian, Roy [GB/GB]; 57 Leathermarket Court, London SE1 3HS (GB). SACKS, Steven, Howard [GB/GB]; 12 Holbrook Lane, Chislehurst, Kent BR7 6PF (GB). (74) Agent: DAVIES, Jonathan, Mark; Reddie & Grose, 16 Theobalds Road, London WC1X 8PL (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GI, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published With international search report.									
(54) Title: ORGAN TRANSPLANT SOLUTIONS CONTAINING CONJUGATES OF SOLUBLE PEPTIDIC COMPOUNDS WITH MEMBRANE-BINDING											
<table border="1"> <caption>BUN Levels (mg/dL)</caption> <thead> <tr> <th>Condition</th> <th>BUN (mg/dL)</th> </tr> </thead> <tbody> <tr> <td>Perfusate Control</td> <td>~29</td> </tr> <tr> <td>070 Perfused</td> <td>~21</td> </tr> <tr> <td>Mean of normal BUN</td> <td>17.05</td> </tr> </tbody> </table>				Condition	BUN (mg/dL)	Perfusate Control	~29	070 Perfused	~21	Mean of normal BUN	17.05
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(57) Abstract <p>This invention relates to formulations of polypeptides and their derivatives that act as inhibitors or regulators of the immune or coagulation systems and are of use in organ transplantation. It provides solutions which include, for example, complement inhibitors or regulators of T- or B-lymphocyte function in modified molecular forms that can be used to perfuse and modify organs prior to transplantation or to store organs prior to transplantation, and to localise agents on organs. It further provides for a preparation for perfusion of an organ prior to transplantation or storage of the organ comprising: a soluble derivative of a soluble polypeptide, said derivative comprising two or more heterologous membrane binding elements with low membrane affinity covalently associated with the polypeptide which elements are capable of interacting, independently and with thermodynamic additivity, with components of membranes of the organ exposed to extracellular perfusion fluids; and a physiologically acceptable flush storage solution.</p>											

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